CONTENTS OF *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, VOLUME 21

VOL. 21 NO. 1 **MAY 1989**

Special Issue: AIDS-Related Diseases in Animals

Editorial
J. Goudswaard (Goes, The Netherlands), S. Krakowka (Columbus, OH, U.S.A.) and Z. Trainin (Bet-Dagan, Israel) 1

Polymorphonuclear leukocyte function in HIV-1-infected chimpanzees
L.J. Lafrado, D.A. Quintana, M.A. Javadian and J.C. Kelliher (Holloman Air Force Base, NM, U.S.A.) 3

Spectrum of disease in macaque monkeys chronically infected with SIV/SMM
H.M. McClure, D.C. Anderson, P.N. Fultz, A.A. Ansari, E. Lockwood and A. Brodie (Atlanta, GA, U.S.A.) 13

FeLV-FAIDS-induced immunodeficiency syndrome in cats
J.I. Mullins (Boston, MA, U.S.A.), E.A. Hoover (Fort Collins, CO, U.S.A.), J. Overbaugh (Boston, MA, U.S.A.), S.L. Quackenbush (Fort Collins, CO, U.S.A.), P.R. Donahue (Boston, MA, U.S.A.) and M.L. Poss (Fort Collins, CO, U.S.A.) 25

Immunodeficiency in latent feline leukemia virus infections
L.J. Lafrado (Holloman Air Force Base, NM, U.S.A.), C.S. Dezzutti (Columbus, OH, U.S.A.), M.G. Lewis (Fort Detrick, MD, U.S.A.) and R.G. Olsen (Columbus, OH, U.S.A.) 39

FeLV-induced immunosuppression through alterations in signal transduction: changes in intracellular free calcium levels
K.A. Wright, C.S. Dezzutti, M.G. Lewis and R.G. Olsen (Columbus, OH, U.S.A.) 47

FeLV-induced immunosuppression through alterations in signal transduction: down regulation of protein kinase C
C.S. Dezzutti, K.A. Wright (Columbus, OH, U.S.A.), M.G. Lewis (Fort Detrick, MD, U.S.A.), L.J. Lafrado (Holloman Air Force Base, NM, U.S.A.) and R.G. Olsen (Columbus, OH, U.S.A.) 55

Control of feline leukaemia virus
K. Weijer (Amsterdam, The Netherlands), F.G.C.M. UytdeHaag and A.D.M.E. Osterhaus (Bilthoven, The Netherlands) 69

Diseases associated with spontaneous feline leukemia virus (FeLV) infection in cats
M. Reinacher (Giessen, Federal Republic of Germany) 85

Friend leukemia complex infection of mice as an experimental model for AIDS studies
E. Soldaini, D. Matteucci (Pisa, Italy), M. Lopez-Cepero, S. Specter, H. Friedman (Tampa, FL, U.S.A.) and M. Bendinelli (Pisa, Italy) 97

Feline immunodeficiency virus infection
N.C. Pedersen, J.K. Yamamoto (Davis, CA, U.S.A.), T. Ishida (Tokyo, Japan) and H. Hansen (Dixon, CA, U.S.A.) 111

VOL. 21 NO. 2 **JUNE 1989**

Quantitative binding of F_c-receptors, and antibody-dependent cell-mediated cytotoxicity

of blood lymphocytes in healthy and chronic lymphocytic leukemic cattle
N. Dikinienė, V. Miliukienė and J. Dedinienė (Vilnius, U.S.S.R.) 131
The influence of the swine major histocompatibility genes (SLA) on variation in serum immunoglobulin (Ig) concentration
B.A. Mallard, B.N. Wilkie and B.W. Kennedy (Guelph, Ont., Canada) 139
Tumoricidal effect of interleukin-2-activated killer cells in canines
J.H. Jardine, H.J. Jackson, E. Lotzová, C.A. Savary and S.M. Small (Houston, TX, U.S.A.) 153
Incidence and characterization of canine rheumatoid factor
R.E.W. Halliwell, L.L. Werner (Gainesville, FL, U.S.A.), D.E. Baum, C.D. Newton, J.H. Wolfe and H.R. Schumacher (Philadelphia, PA, U.S.A.) 161
Specific antibody response in porcine respiratory tract secretion following intraperitoneal immunization
R.F. Sheldrake (Glenfield, N.S.W., Australia) 177
Identification of ovine interferons: differential activities derived from fibroblast and lymphoid cells
G. Entrican, D.M. Haig and M. Norval (Edinburgh, Great Britain) 187
Identification of the antigenic components of the virulent *Mycoplasma gallisepticum* (R) in chickens: their role in differentiation from the vaccine strain (F)
E.K. Barbour, J.A. Newman, J. Sasipreeyajan, A.C. Caputa and M.A. Muneer (St. Paul, MN, U.S.A.) 197
Detection of conglutinin in bovine serum by complement-dependent agglutination of *Escherichia coli*
J.R. Thurston, M.E. Kehrli, Jr., K. Driftmier and B.L. Deyoe (Ames, IA, U.S.A.) 207

Short Communications

Evaluation of a delayed-type hypersensitivity test for the diagnosis of *Brucella abortus* infection in cattle
Z. Bercovich, W. Lagendijk and B.A. Bokhout (Lelystad, The Netherlands) 213
Biological variation in random and leukotriene B_4-directed migration of canine neutrophils
M. Krogsgaard Thomsen and H. Strøm (Ballerup, Denmark) 219

A.A.V.I. News 225

Announcements 225

Contents of other veterinary journals from Elsevier

VOL. 21 NOS. 3/4 **JULY 1989**

Identification of anti-idiotypic antibody in dogs
K.T. Schultz and R.E.W. Halliwell (Gainesville, FL, U.S.A.) 227
Lymphocyte alterations in zinc-deficient calves with lethal trait A46
L.E. Perryman, D.R. Leach, W.C. Davis, W.D. Mickelsen (Pullman, WA, U.S.A.), S.R. Heller, H.D. Ochs (Seattle, WA, U.S.A.), J.A. Ellis (Laramie, WY, U.S.A.) and E. Brummerstedt (Copenhagen, Denmark) 239
Sex-related differences in immune response and survival rate of broiler chickens
G. Leitner, E.D. Heller and A. Friedman (Rehovot, Israel) 249
Cloning and expression of the cDNA for bovine granulocyte-macrophage colony-

stimulating factor
S.R. Leong, G.M. Flaggs (South San Francisco, CA, U.S.A.), M.J.P. Lawman (Saskatoon, Sask., Canada) and P.W. Gray (South San Francisco, CA, U.S.A.) 261
Chemotactic response of bovine neutrophils to *Pasteurella haemolytica* culture fluid
C.J. Brunner, A.L. George III and C-L. Hsu (Auburn, AL, U.S.A.) 279
Evaluation of immunity to feline infectious peritonitis in cats with cutaneous viral-induced delayed hypersensitivity
R.C. Weiss and N.R. Cox (Auburn, AL, U.S.A.) 293
Activation of complement by bovine respiratory syncytial virus-infected cells
T.G. Kimman (Lelystad, The Netherlands), M.R. Daha (Leiden, The Netherlands), J.M.A. Brinkhof and F. Westenbrink (Lelystad, The Netherlands) 311
Cell mediated immune responses in ponies following infection with equine influenza virus (H3N8): the influence of induction culture conditions on the properties of cytotoxic effector cells
D. Hannant and J.A. Mumford (Newmarket, Great Britain) 327
Generation, maintenance and reactivity of ovine T-lymphocyte clones derived from sheep immunized with pili from *Bacteroides nodosus*
D.L. Emery (Glebe, N.S.W., Australia), J.S. Rothel, A. Kirkpatrick and J.A. Maclaren (Parkville, Vic., Australia) 339
Culture of macrophages from bovine bone marrow
C.H. Pontzer and S.W. Russell (Gainesville, FL, U.S.A.) 351
Bovine monoclonal antibody specific for *Brucella abortus* lipopolysaccharide
K.H. Nielsen and M.D. Henning (Nepean, Ont., Canada) 363
Circulating lymphocytes, neutrophils and immune complexes in pigs after feeding
K.L. Morgan, M. Graham, B.G. Miller and F.J. Bourne (Langford, Great Britain) 373

Announcements
CRWAD clinical immunology paper award 379
Further announcements 380

Guide for Authors 381

Author Index 387

Subject Index 391

Contents of *Veterinary Immunology and Immunopathology*, Volume 21 396

Contents of other veterinary journals from Elsevier